Form PTO- 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	Att. Docket Number : 28944/36991	Serial number : 09/736,683
	Applicant : KOSKAS	
	Filing date : 12/13/2000	Group : 2171

OIPE JC131 MAR 0 1 2001 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EDK		5,359,724	10/25/94	EARLE	—	—	
		5,363,098	11/08/94	ANTOSHENKOV	—	—	
		5,548,754	08/20/96	PIRAHESH et al.	—	—	
		5,548,755	08/20/96	LEUNG et al.	—	—	
		5,590,324	12/31/96	LEUNG et al.	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLIC. DATE	COUNTRY/AGENCY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

Examiner EDLeffman	Date Considered 4/28/04

EXAMINER : Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Elek		5,671,403	09/23/97	SHEKITA et al.	—	—	
\|		5,724,568	03/03/98	BHARGAVA et al.	—	—	
\|		5,752,017	05/12/98	BHARGAVA et al.	—	—	
\|		5,761,652	06/02/98	WU et al.	—	—	
V		5,761,657	06/02/98	HOANG	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLIC. DATE	COUNTRY/AGENCY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

Examiner EP Lefkowitz	Date Considered 4/28/04

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EleR		5,819,255	10/06/98	CELIS et al.	—	—	
		5,819,256	10/06/98	OZBUTUN et al.	—	—	
		5,822,747	10/13/98	GRAEFE et al.	—	—	
		5,822,748	10/13/98	COHEN et al.	—	—	
		5,855,012	12/29/98	BHARGAVA et al.	—	—	

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							YES	NO

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Examiner EP Lefkowitz	Date Considered 4/28/04

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	Applicant : KOSKA	
	Filing date : 12/13/00	Group : 2171

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EHR		5,864,857	01/26/99	OHATA et al.	—	—	
		5,870,752	02/09/99	GIBBONS et al.	—	—	
		5,884,307	03/16/99	DEPLEDGE et al.	—	—	
		5,890,151	03/30/99	AGRAWAL et al.	—	—	
V		5,899,988	05/04/99	DEPLEDGE et al.	—	—	

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							YES	NO

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

Examiner EP Le Roux	Date Considered 4/28/04

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Form PTO- 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	Att. Docket Number : 28944/36991	Serial number : 09/736,683
	Applicant : KOSKAS	
	Filing date : 12/13/00	Group : 2171

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EK		5,903,888	05/11/99	COHEN et al.	—	—	
		5,907,297	05/25/99	COHEN et al.	—	—	
		5,924,088	07/13/99	JAKOBSSON et al.	—	—	
		5,963,935	10/05/99	OZBUTUN et al.	—	—	
		5,963,936	10/05/99	COCHRANE et al.	—	—	

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		DOCUMENT NUMBER	PUBLIC. DATE	COUNTRY/AGENCY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

EK		SARAWAGI S, « INDEXING OLAP DATA », Bulletin of the IEEE COMPUTER SOCIETY TECHNICAL COMMITTEE ON DATA ENGINEERING, 1996, Pages 1-9
		GUTTMAN A, "R-TREES: A DYNAMIC INDEX STRUCTURE FOR SPATIAL SEARCHING", Procedings of the ACM SIGMOD International Conference on Management of Data, Boston, MA, June 1984, Pages 47-57
		HARINARAYAN V et al., « IMPLEMENTING DATA CUBES EFFICIENTLY », Proceedings of the ACM SIGMOD, Montreal, Canada, June 1996, pages 205-216

Examiner EP Nikolaus	Date Considered 4/28/04

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	Applicant : KOSKAS	
	Filing date :	Group : 2171

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Elch		6,067,540	05/23/00	OZBUTUN et al.	—	—	
		6,081,800	06/27/00	OZBUTUN et al.	—	—	
		6,141,656	10/31/00	OZBUTUN et al.	—	—	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLIC. DATE	COUNTRY/AGENCY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

Elch		CHAUDHURI S et al., « AN OVERVIEW OF DATA WAREHOUSING AND OLAP TECHNOLOGY », SIGMOD RECORD, March 1997, Vol. 26, No. 1, Pages 65-74
		JOHNSON Th. et al., « SOME APPROACHES TO INDEX DESIGN FOR CUBE FORESTS », « Bulletin of the Technical Committee on DATA ENGINEERING », March 1997, Vol. 20, No. 1, Pages 27-35
		CHAN C-Y. et al., « BITMAP INDEX DESIGN AND EVALUATION », Proceedings of the ACM SIGMOD 1998, Seattle, WA, 1998, Pages 355-378

Examiner E. Rhoads	Date Considered 4/28/04

EXAMINER : Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)

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INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.	Serial No.
28944/36991	09/736,683
Applicant	
Koskas	
Filing Date	**Group**
12/13/00	~~2672~~ 2171

U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
EKek		5,799,321	08/25/98	Benson			
		5,940,833	08/17/99	Benson			
		6,005,503	12/21/99	Burrows			
V		6,078,923	06/20/00	Burrows			

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*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
EKek		WO 92 15954	09/17/92	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EKek		European Search Report dated July 23, 2001 for EPO Application No. EP 00 40 3330.

EXAMINER	DATE CONSIDERED
EP Lefevre	4/28/04

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